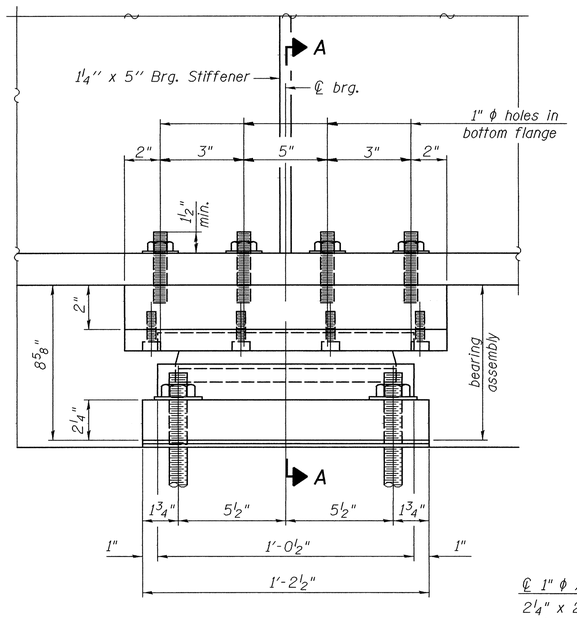
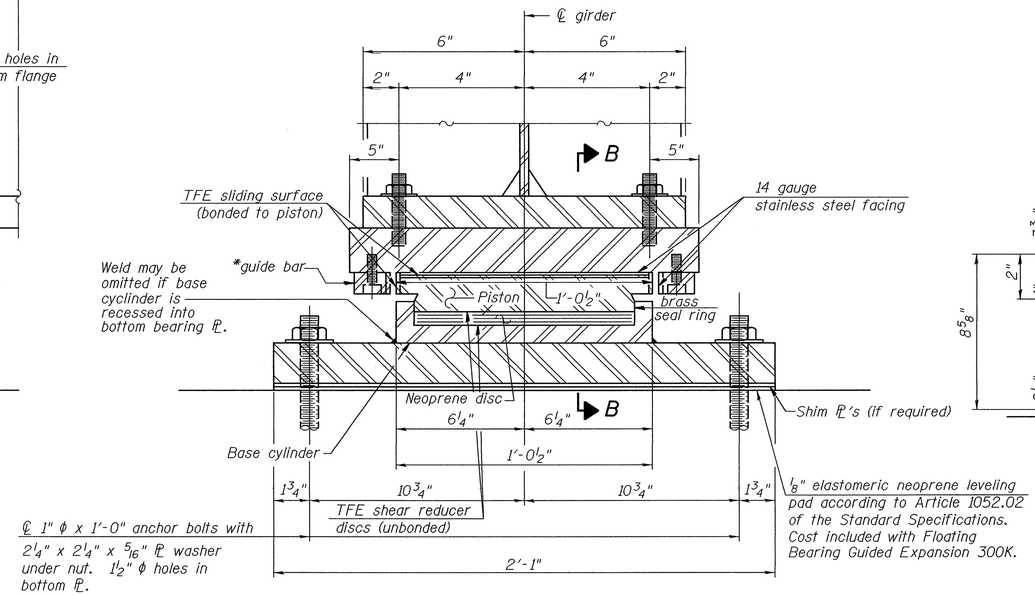
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 885	5B-1	HARDIN		40
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 14
34 SHEETS
98648

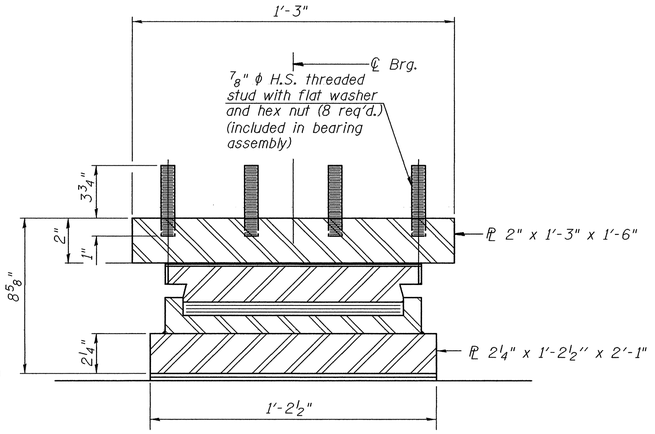
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



ELEVATION AT PIERS 1 AND 2



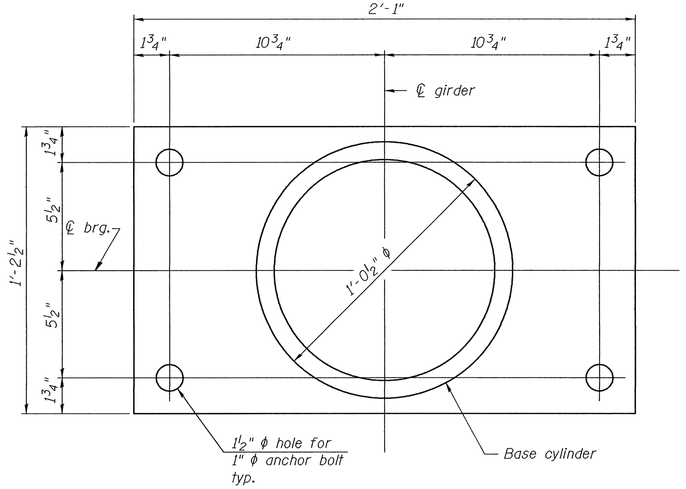
SECTION A-A



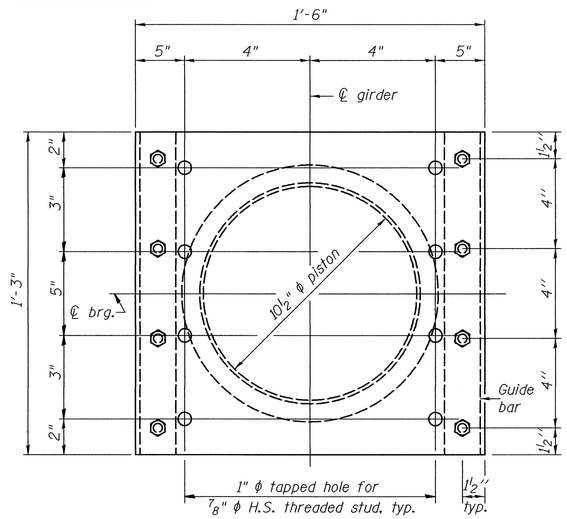
SECTION B-B
(Guide Bar omitted for clarity)

*As alternates to the bolted connection shown, the guide bars may be connected to the top bearing plate by groove welds or the guide bars and top bearing plate may be fabricated as a single piece.

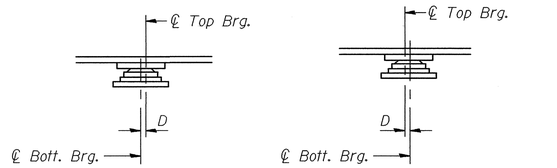
GUIDED EXPANSION POT BEARING



BOTTOM BEARING ℙ AND BASE CYLINDER PLAN



TOP BEARING ℙ AND PISTON PLAN



Bearing Data	
Vertical design load	275k
Lateral design Load	85k
Total required movement	1"

The vertical design load does not include impact.

SETTING ANCHOR BOLTS AT EXP. BRG.

D=⅛" per each 100' of expansion for every 15° temp. change from the normal temp. of 50°F.
(Pier 1, looking North; Pier 2, looking South)

BILL OF MATERIAL

Item	Unit	Total
Floating Bearings, Guided Expansion 300 K	Each	12

DESIGNED	T.L.K.
CHECKED	J.E.K.
DRAWN	BECKY M. CURRY
CHECKED	T.L.K. & T.R.B.

January 15, 2004
EXAMINED Thomas J. Domagalski
ENGINEER OF BRIDGE DESIGN
PASSED Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

Notes: The plates of the Bearing Assembly shall be AASHTO M270, Grade 50.
For anchor bolt installation details see sheet 14 of 34.

BEARING DETAILS
F.A.P. ROUTE 885 - SECTION 5B-1
HARDIN COUNTY
STATION 280+80.00
STRUCTURE NO. 035-0014

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